

Notice of Allowability

Application No.

09/913,687

Examiner

Yewebdar T Tadesse

Applicant(s)

YOKOYAMA, CHIKAFUMI

Art Unit

1734

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 02/12/2004.
2. ☒ The allowed claim(s) is/are 1 and 12-22.
3. ☒ The drawings filed on 16 August 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 08162001
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 03052004.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Carolyn Fischer on 03/05/2004.

The application has been amended as follows:

In the Specification:

On page 7, line 20, replace the reference number "30" after the word "paste" by reference no. -- 32 --.

In the claims:

Cancel the non-elected claims 23-25.

Allowance

3. The following is an examiner's statement of reasons for allowance: Yokoyama et al (US 6,306,948) teaches (see column 6-7, lines 49-67 and 1-65 respectively and Figs 2A- 2E) a method of producing a substrate for PDP comprising the steps of contacting a rib precursor containing a photocurable component with a photocuring initiator with the base (back panel 12), filling of the concave portion of the mold 30 with molding composition, curing the organic component by irradiating the composition with light (hv)

Art Unit: 1734

and removing the mold. Yokoyama et al also teaches (see column 4, lines 31-34) that a cure initiator in the organic binder component can be chosen that has an absorption edge at a wavelength that is substantially transparent to the mold used or to the display substrate. However, Yokoyama et al does not disclose or suggest filling a mold, obtained by photo-setting of a second initiator having a second absorption edge whose wavelength is shorter than a wavelength corresponding to the first absorption edge of the first photo-setting initiator of the rib precursor. Wojcik (US 4,668,607) teaches (see column 2, lines 44-56 and columns 7-8, lines 50-68 and 1-16 respectively) a process of photofabrication of master relief patterns by using material comprising a photosensitive composition and a photo setting initiator. Yet, Wojcik does not teach filling the master relief with another photosensitive material having an absorption edge whose wavelength is longer than a wavelength corresponding to the absorption edge of the master relief pattern. Chiu et al (US 6,616,887) discloses (see Abstract) a method for molding and aligning microstructures on a patterned substrate for display applications using a microstructured mold by placing a mixture of curable material between the patterned substrate and a patterned surface of the mold, curing the curable material on the substrate and removing the mold to leave the microstructures adhered to the substrate. In Chiu et al, the use of a photo-setting component in the mold or the rib material is not taught. Prior art of record does not disclose or suggest a method of producing a substrate for a plasma display panel by providing a rib on a base, comprises, among others, the steps of filling a mold, obtained by photo-setting of a second initiator having a second absorption edge whose wavelength is shorter than a wavelength

Art Unit: 1734

corresponding to the first absorption edge of the first photo-setting initiator, with a rib precursor containing the first photo-setting initiator having a first absorption edge and a first photo-setting component.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yewebdar T Tadesse whose telephone number is (571) 272-1238. The examiner can normally be reached on Monday-Friday 8:00 AM-4: 30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Crispino can be reached on (571) 272-1226. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 1734

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lewin G. G.
YTT

Michael Colaianni
MICHAEL COLAIANNI
PRIMARY EXAMINER